**ASSGINMENT**

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1..

*OddThread.java*

public class OddThread extends Thread{

    int a[],b[];

    public OddThread(int a[], int b[])

    {

        this.a = a;

        this.b = b;

    }

    public void run()

    {

        for(int i=1;i<a.length;i+=2)

            a[i] \*= b[i];

    }

}

*EvenThread.java*

public class EvenThread extends Thread{

    int a[],b[];

    public EvenThread(int a[], int b[])

    {

        this.a = a;

        this.b = b;

    }

    public void run()

    {

        for(int i=0;i<a.length;i+=2)

            a[i] \*= b[i];

    }

}

*Q3Test.java*

public class Q3Test {

    public static void main(String[] args) {

        int a[]={1,2,3,4,5},b[]={5,4,3,2,1};

        OddThread ot = new OddThread(a,b);

        EvenThread et = new EvenThread(a,b);

        ot.start();

        et.start();

        try

        {

            Thread.sleep(100);

        }

        catch(InterruptedException e)

        {

            System.out.println(e);

        }

        for (int v : a)

            System.out.print(v+" ");

    }

}

2..

class MinimumBalanceException extends Exception

{

    MinimumBalanceException(String s)

    {

        super(s);

    }

}

public class Account {

*// account(){}*

    String name;

    int acc\_no;

    double balance;

    Account(String n,int accno,double bal)

    {

        name = n;

        acc\_no = accno;

        balance = bal;

        check\_exception(balance);

    }

    boolean check\_exception(double bal)

    {

        try

        {

            if(bal<500.0)

                throw new MinimumBalanceException("ERROR!!! Account balance cannot be less than 500...");

        }

        catch(MinimumBalanceException s)

        {

            System.out.println("\n"+s);

            return false;

        }

        return true;

    }

    void deposit(double amt)

    {

        balance += amt;

    }

    void withdraw(double amt)

    {

        if(check\_exception(balance-amt))

            balance -= amt;

    }

    public static void transfer(Account ac1,Account ac2,double amt)

    {

        double temp = ac1.balance;

        ac1.withdraw(amt);

        if(temp!=ac1.balance)

            ac2.deposit(amt);

    }

    void display()

    {

        System.out.println("\nNAME: "+name);

        System.out.println("ACCOUNT NO.: "+acc\_no);

        System.out.println("BALANCE: "+balance);

    }

}

class AccountDriver

{

    public static void main(String[] args) {

        Account ac1 = new Account("jijnasu", 3578, 600);

        Account ac2 = new Account("kumar", 5050, 1000);

*// it works*

        Account.transfer(ac2,ac1,300);

        ac1.display();

        ac2.display();

*// it throws error*

        Account.transfer(ac1,ac2,600);

        ac1.display();

        ac2.display();

    }

}